

Please type a plus sign (+) inside this.



PTO/SB/01 (10-00)

Approved for use through 10/31/2002, OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> <b>(37 CFR 1.63)</b>  <input checked="" type="checkbox"/> Declaration Submitted With Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	5059-000004
	First Named Inventor	Farbod Aram, et al.
	<b>COMPLETE IF KNOWN</b>	
	Application Number	/
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**FRINGING CAPACITOR STRUCTURE**

the specification of which (Title of the Invention)

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Country	Priority Not Claimed	Certified Copy Attached?	
					YES	NO
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
60/229,533	September 5, 2000	

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label  OR ☒ Correspondence, address below

Name	G. Gregory Schivley		
Address	Harness, Dickey & Plarce, PLC.		
Address	P.O. Box 828		
City	State	ZIP	
Bloomfield Hills	Michigan	48303	
Country	Telephone	Fax	
USA	(248) 641-1600	(248) 641-0270	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name	Farbod	Family Name or Surname	Aram

Inventor's Signature	Farbod Aram		Date	01/17/01
Residence: City	State	Country	Citizenship	
Cupertino	California	USA	Iran	
Mailing Address 22658 Silver Oak Lane, Cupertino, California 95014				
Mailing Address -				
City	State	ZIP	Country	

NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name	Sehat	Family Name or Surname	Sutardja

Inventor's Signature	Sehat Sutardja		Date	1/17/2001
Residence: City	State	Country	Citizenship	
Cupertino	California	USA	United States	
Mailing Address 11572 Seven Springs Drive, Cupertino, California 95014				
Mailing Address				
City	State	ZIP	Country	

☐ Additional Inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

5059-000004 Y'669  
JL E



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 13, 2001

PTAS

HARNES, DICKY & PIERCE, P.L.C.  
G. GREGORY SCHIVLEY  
P.O. BOX 828  
BLOOMFIELD HILLS, MI 48303



\*101604983A\*

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/18/2001

REEL/FRAME: 011479/0526  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ARAM, FARBOD

DOC DATE: 01/17/2001

ASSIGNOR:

SUTARDJA, SEHAT

DOC DATE: 01/17/2001

ASSIGNEE:

MARVELL SEMICONDUCTOR, INC.  
645 AMANOR AVENUE  
SUNNYVALE, CALIFORNIA 94086

SERIAL NUMBER: 09765200  
PATENT NUMBER:

FILING DATE: 01/18/2001  
ISSUE DATE:

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PTO-1619A  
Expires 06/30/99  
OMR 0651-0027

02-05-2001

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

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1-19 01

**PATENTS ONLY**

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**Submission Type**

- ☒ New  
☐ Resubmission (Non-Recordation)  
Document ID #   
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**Conveyance Type**

- ☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other

**U.S. Government**

(For Use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Name (line 1) Farbod Aram

Execution Date  
Month Day Year  
01 17 2001

Name (line 2)

**Second Party**

Name (line 1) Sehat Sutardja

Execution Date  
Month Day Year  
01 17 2001

Name (line 2)

09765200

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1) Marvell Semiconductor, Inc.

Name (line 2)

Address (line 1) 645 Almanor Avenue

Address (line 2)

Address (line 3) Sunnyvale

California

94086

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

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Address (line 1)

Address (line 2)

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Address (line 4)

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01/23/2001 HLE333 00000021 09765200

04 FC:581

40.00 DP

JC929 U.S. PTO  
09765200  
01/18/01

**Correspondent Name and Address**

Area Code and Telephone Number

(248) 641-1600

Name G. Gregory Schivley, Esq.

Address (line 1) Harness, Dickey & Pierce, P.L.C.

Address (line 2) P.O. Box 828

Address (line 3) Bloomfield Hills, MI 48303

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments

# 1

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
01 17 2001

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application  
Number as not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 08-0750

Authorization to charge additional fees:

Yes ☒

No ☐

**Statement and Signature**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

Joseph L. Stevenson

*Joseph L. Stevenson*

01/18/2001

Name of Person Signing

Signature

Date

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, Aram, Farbod, Sutardja, Sehat

who have created a certain invention for which an application for United States Letters Patent was executed by me concurrently herewith and entitled: Fringing Capacitor Structure

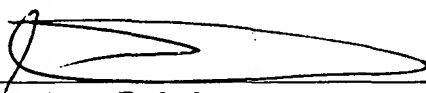
Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 645 Almanor Avenue, Sunnyvale, California 94086, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Date: 01/17/01  
Month/Day/Year

  
Aram, Farbod

Date: 1/17/2001  
Month/Day/Year

  
Sutardja, Sehat

Date: \_\_\_\_\_  
Month/Day/Year

\_\_\_\_\_

Date: \_\_\_\_\_  
Month/Day/Year

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APRIL 13, 2001

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G. GREGORY SCHIVLEY, ESQ.  
PO BOX 828  
BLOOMFIELD HILLS, MI 48303



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RECORDATION DATE: 01/18/2001

REEL/FRAME: 011479/0552

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

**ASSIGNOR:**

MARVELL SEMICONDUCTOR, INC.

DOC DATE: 01/17/2001

**ASSIGNEE:**

MARVELL TECHNOLOGY GROUP, LTD.  
645 ALMANOR AVENUE  
SUNNYVALE, CALIFORNIA 94086

SERIAL NUMBER: 09765200

FILING DATE: 01/18/2001

PATENT NUMBER:

ISSUE DATE:

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

02-05-2001



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- ☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Name (line 1)  Marvell Semiconductor, Inc.

Execution Date  
Month Day Year  
01 17 2001

Name (line 2)

**Second Party**

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

09765200

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1)  Marvell Technology Group, LTD

☐ If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United States,  
an appointment of a domestic  
representative is attached.  
(Designation must be a  
separate document from  
Assignment.)

Name (line 2)

Address (line 1)  645 Almanor Avenue

Address (line 2)

Address (line 3)  Sunnyvale

California

94086

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

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Address (line 2)

Address (line 3)

Address (line 4)

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01/23/2001 HLE333 00000021 09765200

05 FC:581

40.00 OP

JC929 U.S. PTO  
09/765200  
01/18/01



**Correspondent Name and Address**

Area Code and Telephone Number

(248) 641-1600

Name G. Gregory Schivley, Esq.

Address (line 1) Harness, Dickey & Pierce, P.L.C.

Address (line 2) P.O. Box 828

Address (line 3) Bloomfield Hills, MI 48303

Address (line 4)

**Pages**

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**Application Number(s) or Patent Number(s)**

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Patent Application Number(s)


Patent Number(s)


If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
01 17 2001

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application  
Number as not been assigned.

PCT		PCT		PCT	
PCT		PCT		PCT	

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 08-0750

Authorization to charge additional fees:

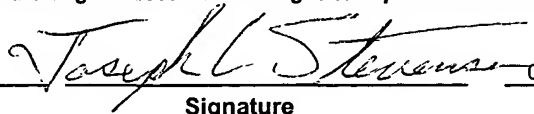
Yes ☒

No ☐

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Joseph L. Stevenson



01/18/2001

Name of Person Signing

Signature

Date

## ASSIGNMENT

### Corporate

Marvell Semiconductor, Inc., a California corporation, having a principal place of business at 645 Almanor Avenue, Sunnyvale, CA 94086 (hereafter the "Assignor"), is the owner by respective Assignment of United States Patent Application identified below (hereafter sometimes called the "Patent Application").

Marvell Technology Group, LTD, a corporation of Bermuda, having a place of business at Richmond House, 3rd floor, 12 Parla Ville Road, Hamilton HM DX, Bermuda (hereafter the "Assignee"), desires to acquire all of the rights to the Patent Application and all inventions described and claimed therein.

THEREFORE, in consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to it, Assignor hereby sells and assigns to the Assignee the entire right, title and interest in and to the Patent Application identified below, and all inventions described and claimed therein, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations, divisions and continuations of such applications or Letters Patent to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee the same as they would have been held and enjoyed by the Assignor had this Assignment and sale not been made.

<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>U. S. Filing Date</u>	<u>Title</u>
MP0074	filed herewith	filed herewith	Fringing Capacitor Structure

By its undersigned representative, the Assignor agrees

- a. to execute all papers necessary in connection with the Patent Application and any continuing, divisional, reissue, reexamination or corresponding application thereof and also to execute separate Assignment in connection with such application as the Assignee may deem necessary or expedient;
- b. to execute all papers necessary in connection with any interference which may be declared concerning the Patent Application or any continuation, division, reissue or reexamination thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; and

c. to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee on any of the Patent Application and on any continuation, division, reissue or reexamination of any of the Patent Application.

The Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith.

Marvell Semiconductor, Inc., a California corporation, certifies that it is the Assignee of the entire right, title and interest in the Patent Application identified above by virtue of Assignment from the inventors of the Patent Application identified above. Assignment to be recorded in the Patent and Trademark Office as identified below.

<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>Assignment Execution Date</u>
MP0074	filed herewith	1/17/2001

The undersigned has reviewed the documents in the Patent Application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignor identified above.

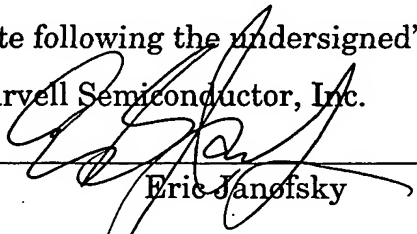
The undersigned is empowered to sign this certificate on behalf of the Assignor.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IN WITNESS WHEREOF, executed by the Assignor's undersigned representative on the date following the undersigned's name.

Marvell Semiconductor, Inc.

By:

  
Eric Janofsky

Title:

General Patent Counsel

Date

1/17/2001

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: To Be Assigned  
Filing Date: To Be Assigned  
Applicant: Aram, Farbod et al.  
Group Art Unit: To Be Assigned  
Examiner: To Be Assigned  
Title: FRINGING CAPACITOR STRUCTURE  
Attorney Docket: MP0074.CI

---

Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT UNDER 37 CFR 3.73(b) AND POWER OF ATTORNEY**

Under 37 C.F.R. § 3.73(b), the undersigned hereby states that the below-named Assignee is an assignee in the above-identified Application:

Assignee: Marvell International Ltd.  
4th Floor Windsor Place, 22 Queen Street  
Hamilton HM 11 Bermuda

The documentary evidence of a chain of title from the original owner to the Assignee is provided in the Assignment Document(s):

☐ filed herewith,

☒ previously filed on June 19, 2002

(Reel No. and Frame No. not yet known) (copies attached hereto)

### POWER OF ATTORNEY

I hereby appoint Michael D. Wiggins, Reg. No. 34,754 and Donald J. Daley, Reg. No. 34,313 of Harness, Dickey & Pierce, P.L.C., my attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

### CORRESPONDENCE ADDRESS

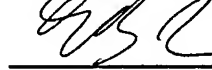
I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Marvell Semiconductor, Inc., 700 First Avenue, Mail Stop 509, Sunnyvale, CA 94089, Telephone Number (408) 222-2500.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

Date:

4/10/05

MARVELL SEMICONDUCTOR, INC.



Name: Eric B. Janofsky

Reg. No. 30,759

Title: General Patent Counsel